Global Network / Corporate Information

● Subsidiaries and Representative Offices ● Affiliated Companies ● National Distributors

Americas
2 companies
(2 consolidated)
110 employees

Asia and Oceania
12 companies
(12 consolidated)
580 employees

Japan
FURUNO ELECTRIC CO., LTD. and
5 companies
(4 consolidated)
2,136 employees

Europe
19 companies
(18 consolidated)
550 employees

Europe

FURUNO (UK) LTD.
FURUNO NORGE A/S
FURUNO DANMARK A/S
FURUNO SVERIGE AB
FURUNO FINLAND OY
FURUNO POLSKA Sp. z o.o.
FURUNO DEUTSCHLAND GmbH
FURUNO EUROPE B.V.
FURUNO FRANCE S.A.S.
FURUNO ESPAÑA S.A.
FURUNO ITALIA S.R.L.
FURUNO HELLAS S.A.
FURUNO (CYPRUS) LTD
EMRI A/S
TELKO A/S
Telko International AB
S.A.S. ROBIN MARINE
FURUNO LEASING LTD.

Japan

MARISAT COMMUNICATION SERVICE INC.
FURUNO SYSTEMS CO., LTD.
FURUNO LIFEBEST CO., LTD.
FURUNO SOFTECH CO., LTD.
LABOTECH INTERNATIONAL CO., LTD.

Asia / Oceania

FURUNO SHANGHAI CO., LTD.
FURUNO (DALIAN) TECHNOLOGY CO., LTD.
FUNOTEC (DALIAN) CO., LTD.
FURUNO CHINA CO., LIMITED
FURUNO DONGGUAN CO., LTD
FURUNO HONG KONG CO., LTD.
FURUNO NAVIGATION TECHNOLOGY(SHANGHAI) CO., LTD.
PT FURUNO ELECTRIC INDONESIA
FURUNO KOREA CO., LTD.
FURUNO SINGAPORE PTE LTD
FURUNO ELECTRIC (MALAYSIA) SDN. BHD.
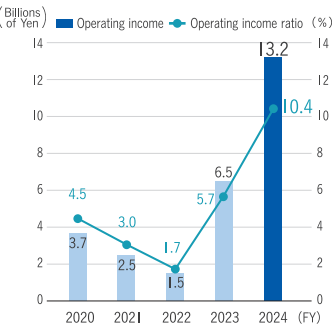ELECTRONIC NAVIGATION LIMITED
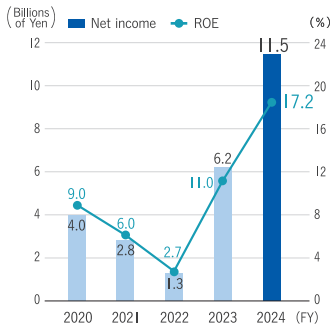
Americas

FURUNO U.S.A., INC.
FURUNO PANAMA, S.A.

Financial Highlights (Consolidated)
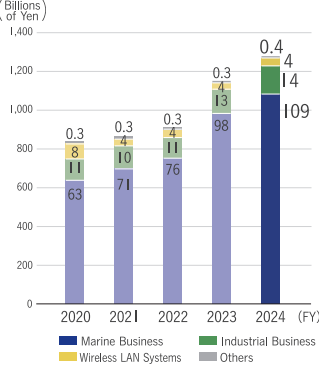
Years ended the last day of February
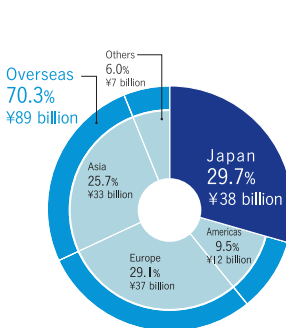
▶ **Operating income / Operating income ratio**

(Billions of Yen) / (%)
■ Operating income ● Operating income ratio

FY	Operating income	Operating income ratio
2020	3.7	4.5
2021	2.5	3.0
2022	1.5	1.7
2023	5.7	6.5
2024	13.2	10.4

▶ **Net income attributable to owners of the parent / ROE**

(Billions of Yen) / (%)
■ Net income ● ROE

FY	Net income	ROE
2020	4.0	9.0
2021	2.8	6.0
2022	1.3	2.7
2023	11.0	6.2
2024	11.5	17.2

▶ **Net sales by business segment**

(Billions of Yen)

FY	Marine Business	Wireless LAN Systems	Industrial Business	Others
2020	63	8	11	0.3
2021	71	10	11	0.3
2022	76	11	4	0.3
2023	98	13	4	0.3
2024	109	14	4	0.4

■ Marine Business ■ Industrial Business
■ Wireless LAN Systems ■ Others

▶ **Net sales by region**

Overseas 70.3% ¥89 billion

Others 6.0% ¥7 billion
Asia 25.7% ¥33 billion
Japan 29.7% ¥38 billion
Americas 9.5% ¥12 billion
Europe 29.1% ¥37 billion

Company Outline

(as of May 23, 2025)

Company Name	FURUNO ELECTRIC CO., LTD.
Incorporated	May 23, 1951
Headquarters	9-52 Ashihara-cho, Nishinomiya City, Hyogo 662-8580, Japan
Capital	¥7,534 million
Number of Employees	3,368 (consolidated)
Consolidated Sales	¥126,953 million ($843.1 million)*
President	Yukio Furuno
Website	https://www.furuno.com

*US dollar amounts are converted at 1 USD = 150.58 JPY, the average exchange rate for 2024. These conversions do not mean the Japanese yen is subject to the above rate or any other rate when converted to US dollars.

FURUNO ELECTRIC CO., LTD.

FURUNO

Corporate **Report**
2025–2026
Corporate Profile & CSR Report

CHALLENGE the INVISIBLE.

Since our inception, FURUNO has been continually helping
people see things that are beyond the realm of visibility.
Through exhaustive research and development,
we create and implement our innovative technologies to solve
any problem, seen or unseen.
This mentality resulted in our invention of the
world's first fish finder.

However, the products FURUNO manufactures go far beyond making things visible.

By making the invisible visible, we encounter new possibilities that we weren't aware of before.
This not only benefits those who directly use our instruments, but it also affects the lifestyles
of many people beyond them.

By looking at things from a customer's point of view, we can see the problems at hand and find
new possibilities that were previously beyond the realm of visibility.

And by analyzing the way we live,
FURUNO continues to create new values that are not yet visible to the human eye.

CHALLENGE the INVISIBLE.

CONTENTS

■ Editorial Policy

This report was edited to combine the FURUNO
Group Corporate Profile and CSR Report to make
the group's business activities easy to understand.

■ Period Covered

March 1, 2024 – February 28, 2025
(some content from March 2025 onward also included)

■ Scope

This report covers the activities of FURUNO Group
companies, primarily those of FURUNO ELECTRIC
CO., LTD.

PRESIDENT'S MESSAGE

Contributing to Sustainable Development of Local Communities and Society through Increased Value to Customers and Enhanced Corporate Values
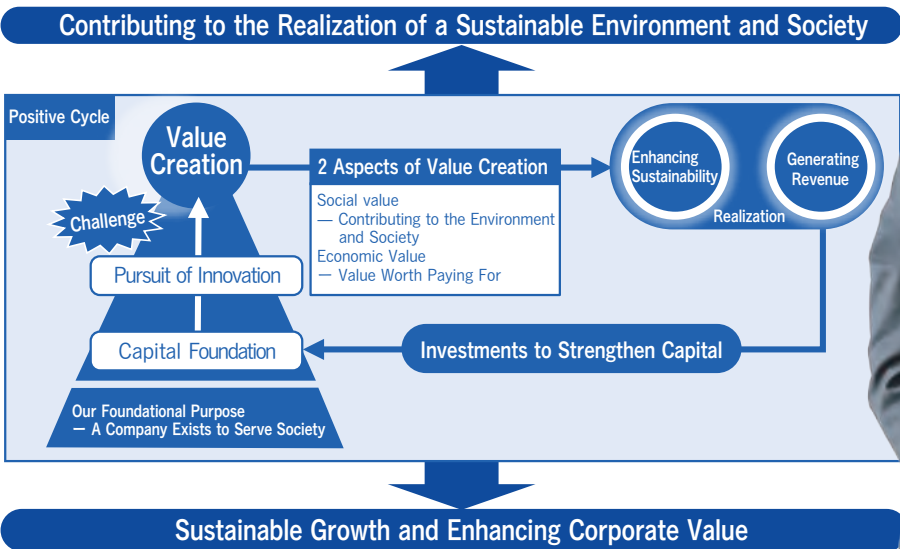
In 2018, the FURUNO Group formulated the "NAVI NEXT 2030" global vision consisting of a "Business Vision" and a "Human Resources and Corporate Culture Vision" to be achieved by 2030.

Our business vision is to achieve better safety, security, and comfort to bring about a society and sea navigation that considers the needs of people and the environment. This vision prioritizes not only safety and security in addition to the environment but also creates an inspiring, comfortable society for all. Meanwhile, our human resources and corporate culture vision, "Value through globalization and speed," is an extolment of the virtue of working together to create value through globalization and speed.

Through the development of various activities aimed at realizing this management vision, we will continuously and progressively enhance both the value we provide to customers and our corporate value.

FURUNO Group's Sustainable Management

"A company exists to serve society" as a management principle, FURUNO has been developing its business to build a sustainable society. We will continue our efforts to solve social issues and achieve our sustainable growth, by creating new value with our core technologies.

President *Yukio Furuno*

Corporate Vision

FURUNO GLOBAL VISION "NAVI NEXT 2030"

On December 3, 2018, to mark the 70th anniversary of its foundation, FURUNO Group has formulated a new management vision, FURUNO GLOBAL VISION "NAVI NEXT 2030," to carry the company through to 2030.

Customers
Suppliers
Local Community
Shareholders
Employees
Environment

Management Principles
- A company exists to serve society
- Its management must be creative
- The happiness of its employees comes with the growth of a company

Business Theme
- Challenge the invisible

Action Guidelines
- Face the future
- Strive to be the best
- Be persistently original
- Be sincere

Business Vision

Achieve better safety, security and comfort to bring about a society and sea navigation that considers the needs of people and the environment

This business vision expresses the priority all businesses in the FURUNO Group place on working to bring about safety, security and comfort on the sea and land, as the basis for achieving a society and sea navigation that considers the needs of people and the environment. We have expanded the focus of the FURUNO Group's business activities from offering the values of safety, security and environmental consciousness to also include comfort and humanity. This is a new marker for us as we move forward in providing customers with greater value in our existing businesses and cultivate new businesses in associated fields.

Since the time of our inception in 1948, when we commercialized the world's first practical fish finder, the FURUNO Group has been fulfilling its mission of solving social issues through our businesses. Meanwhile, the United Nation's Sustainable Development Goals (SDGs) are becoming a shared awareness in the international society, and companies are now being called on to contribute to realizing the SDGs through their business activities. The FURUNO Group will also actively incorporate SDGs into our corporate management and basic policy for business activities, while carefully preserving the values we have cultivated since our foundation.

Human Resources and Corporate Culture Vision

VALUE through GLOBALIZATION and SPEED
This is our key proposal for the focused strengthening and assessment of human resources, a valuable resource in corporate management, and corporate culture to achieve our business vision. It comprises the following three points.

Value — Creating greater value together
We will cultivate a deep understanding of our vision and adopt a highly autonomous approach to achieving it. We will work together with every FURUNO Group stakeholder to create even greater value in society.

Globalization — Comprehensive globalization
We will foster a global mindset in our organization, and ensure the optimal and maximum use of our internal and external resources to achieve our vision, irrespective of their affiliated division, region, country, etc.

Speed — Quick and agile decisions and action
We will not falter in the face of change, as we strive to continue creating a new era.

FURUNO GLOBAL VISION
NAVI NEXT 2030

Execute → Reflect

Mid-Term Management Plan

Realize

We will progressively and promptly work toward realizing the FURUNO GLOBAL VISION "NAVI NEXT 2030" through the following three phases. Our growth targets for FY 2030, the completion year of the three phases, are consolidated net sales of 120 billion yen, operating margin of 10%, and new business composition ratio of 30%.

Mid-Term Management Plan

| FY 2020-2022 | FY 2023-2025 | FY 2026-2030 |

Phase 1 — **Advance**
Procure resources and strengthen our capabilities by improving the structure of our businesses

Phase 2 — **Connect**
Take action toward building a profitable structure and the pillars of our technologies and businesses

Phase 3 — **Transform**
Realize an appropriate corporate scale, profitability and business structure

Overview of the Mid-Term Management Plan of Phase 2

In "Phase 2" of the mid-term management plan, covering the three-year period for fiscal years 2023 through 2025, FURUNO is striving to implement sustainable management by working to improve profitability and steadily expand sales.

Key Performance Indicators (KPI)

In FY 2025, FURUNO will build a management foundation that will enable it to sustain the following.

Targets for FY 2025

ROE (based on ordinary income)
10% or higher*

Payout Ratio
30% or higher

*Average ROE (based on ordinary income) for FY 2009 - 2017 of 6%

Main Measures

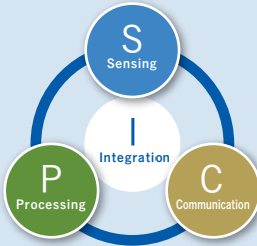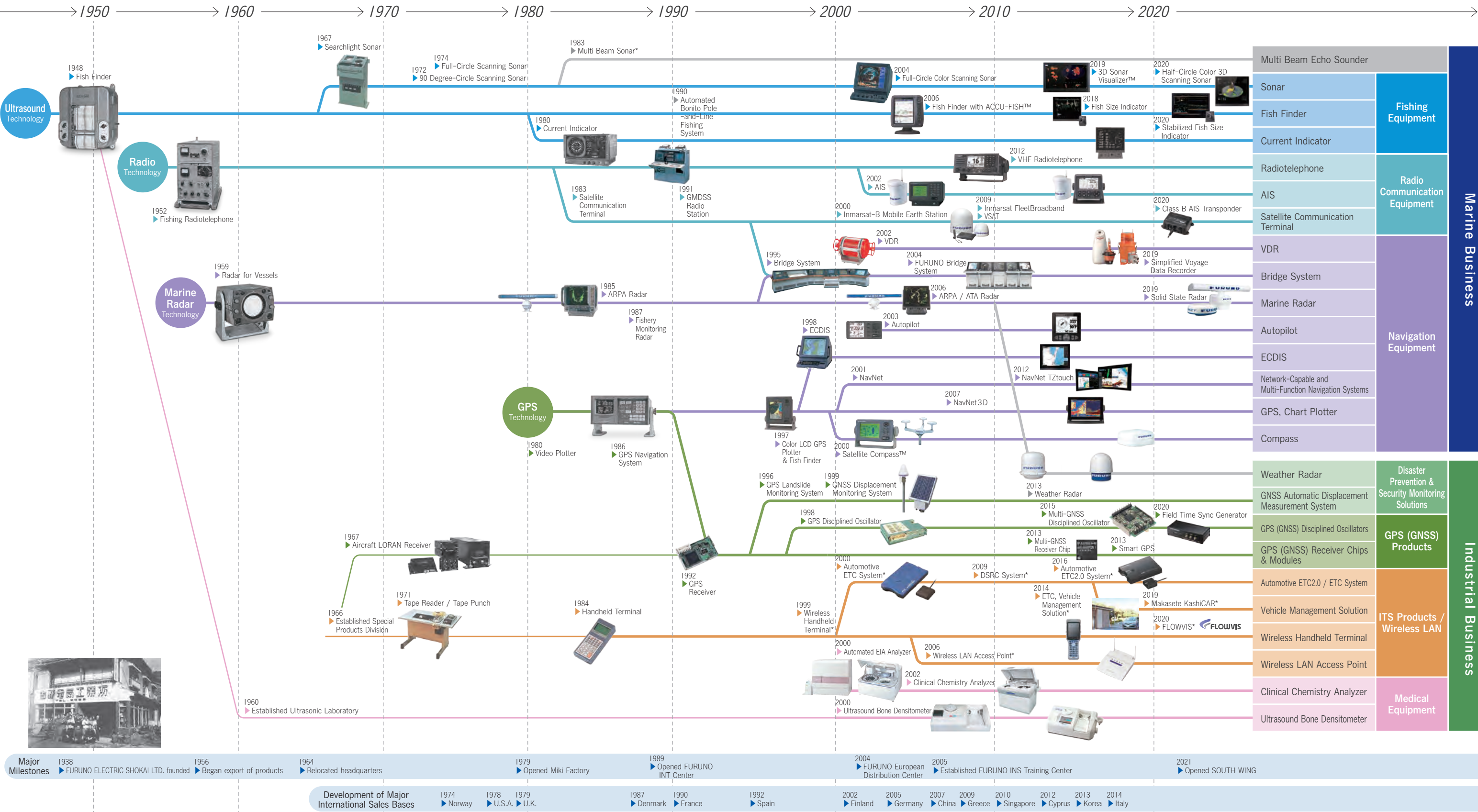|	
Improvement in Profitability	Complete the measures of Phase 1, focusing on improving profitability by increasing the quality level, optimizing inventories, and optimizing the product development function and the comprehensive manufacturing function.
Expansion of Sales	Provide high-quality services through remote management, promote DX for the marine field focusing on digitalization, and invest resources in businesses with growth potential to further generate resources for investment in growth.
Implementation of Sustainable Management	Aim to realize sustainable management by expressing a long-term policy that will guide our future business, strengthening business creation through strategic investments, promptly commercializing new and expanding businesses, investing in human resources, and promoting diversity.

FURUNO's History

FURUNO will contribute to the development of society and industry previously invisible, using our SPC core competencies and our by giving visual form to that accumulated know-how.

S Sensing
P Processing
I Integration
C Communication

Through "Integration" of the knowledge, experience, skills, and know-how accumulated through our business activities with our three core areas of technological expertise— "Sensing," "Processing" and "Communication"—we create solutions that are of great value to our customers.

Timeline: 1950 — 1960 — 1970 — 1980 — 1990 — 2000 — 2010 — 2020

Ultrasound Technology
- 1948 Fish Finder
- 1967 Searchlight Sonar
- 1972 90 Degree-Circle Scanning Sonar
- 1974 Full-Circle Scanning Sonar
- 1983 Multi Beam Sonar*
- 1980 Current Indicator
- 1990 Automated Bonito Pole-and-Line Fishing System
- 2004 Full-Circle Color Scanning Sonar
- 2006 Fish Finder with ACCU-FISH™
- 2019 3D Sonar Visualizer™
- 2018 Fish Size Indicator
- 2020 Half-Circle Color 3D Scanning Sonar
- 2020 Stabilized Fish Size Indicator

Radio Technology
- 1952 Fishing Radiotelephone
- 1983 Satellite Communication Terminal
- 1991 GMDSS Radio Station
- 2002 AIS
- 2012 VHF Radiotelephone
- 2000 Inmarsat-B Mobile Earth Station
- 2009 Inmarsat FleetBroadband VSAT
- 2020 Class B AIS Transponder

Marine Radar Technology
- 1959 Radar for Vessels
- 1985 ARPA Radar
- 1987 Fishery Monitoring Radar
- 1995 Bridge System
- 2002 VDR
- 2004 FURUNO Bridge System
- 2006 ARPA / ATA Radar
- 2019 Simplified Voyage Data Recorder
- 2019 Solid State Radar
- 1998 ECDIS
- 2003 Autopilot
- 2001 NavNet
- 2012 NavNet TZtouch
- 2007 NavNet 3D

GPS Technology
- 1980 Video Plotter
- 1986 GPS Navigation System
- 1997 Color LCD GPS Plotter & Fish Finder
- 2000 Satellite Compass™
- 1996 GPS Landslide Monitoring System
- 1999 GNSS Displacement Monitoring System
- 2013 Weather Radar
- 1998 GPS Disciplined Oscillator
- 2015 Multi-GNSS Disciplined Oscillator
- 2020 Field Time Sync Generator
- 2013 Multi-GNSS Receiver Chip
- 2013 Smart GPS
- 1967 Aircraft LORAN Receiver
- 1992 GPS Receiver
- 2000 Automotive ETC System*
- 2009 DSRC System*
- 2016 Automotive ETC2.0 System*
- 2014 ETC, Vehicle Management Solution*
- 2019 Makasete KashiCAR*
- 2020 FLOWVIS* FLOWVIS
- 1971 Tape Reader / Tape Punch
- 1966 Established Special Products Division
- 1984 Handheld Terminal
- 1999 Wireless Handheld Terminal*
- 2000 Automated EIA Analyzer
- 2006 Wireless LAN Access Point*
- 2002 Clinical Chemistry Analyzer
- 2000 Ultrasound Bone Densitometer
- 1960 Established Ultrasonic Laboratory

Right-side product/category listings:

Product	Category	Business
Multi Beam Echo Sounder		
Sonar	Fishing Equipment	
Fish Finder		
Current Indicator		Marine Business
Radiotelephone	Radio Communication Equipment	
AIS		
Satellite Communication Terminal		
VDR	Navigation Equipment	
Bridge System		
Marine Radar		
Autopilot		
ECDIS		
Network-Capable and Multi-Function Navigation Systems		
GPS, Chart Plotter		
Compass		
Weather Radar	Disaster Prevention & Security Monitoring Solutions	Industrial Business
GNSS Automatic Displacement Measurement System		
GPS (GNSS) Disciplined Oscillators	GPS (GNSS) Products	
GPS (GNSS) Receiver Chips & Modules		
Automotive ETC2.0 / ETC System	ITS Products / Wireless LAN	
Vehicle Management Solution		
Wireless Handheld Terminal		
Wireless LAN Access Point		
Clinical Chemistry Analyzer	Medical Equipment	
Ultrasound Bone Densitometer		

Major Milestones
- 1938 FURUNO ELECTRIC SHOKAI LTD. founded
- 1956 Began export of products
- 1964 Relocated headquarters
- 1979 Opened Miki Factory
- 1989 Opened FURUNO INT Center
- 2004 FURUNO European Distribution Center
- 2005 Established FURUNO INS Training Center
- 2021 Opened SOUTH WING

Development of Major International Sales Bases
- 1974 Norway
- 1978 U.S.A.
- 1979 U.K.
- 1987 Denmark
- 1990 France
- 1992 Spain
- 2002 Finland
- 2005 Germany
- 2007 China
- 2009 Greece
- 2010 Singapore
- 2012 Cyprus
- 2013 Korea
- 2014 Italy

*Japanese market only

FURUNO
Business Fields I

Marine Business

FURUNO equipment supports safe, secure navigation.

Since 1948, when we became the first company in the world to successfully commercialize a fish finder, we have offered a wide range of marine electronic equipment that serves the needs of our customers, including fishing boats, large merchant vessels, government vessels, and recreational boats. Today, our goal is to ensure a safe, secure, and comfortable life at sea, and to support further development of maritime culture.

Merchant

VDR (Voyage Data Recorder)
VDR records and stores navigation data and information. This data is obtained from onboard sensors, and can be analyzed in the event of a marine accident to pinpoint the cause and prevent further recurrence.

Merchant Fishing Recreational Government

Satellite Communications Equipment / Service
In addition to telephone and Internet use with land, this allows for monitoring operation of the ship's engines and electronic equipment. The Satellite Communication system is also used for safety and security support from land.

Merchant Fishing Recreational Government

AIS (Automatic Identification System)
AIS allows for ship information (e.g., ID, position, heading direction) to be exchanged among ocean-going ships and vessels. These systems help prevent collisions and ensure safe navigation. They also make it possible to detect ships, which do not appear on radar because they are hidden in the shadow of islands.

Fishing Government

Coastal Monitoring System
These systems monitor the sea and harbor by combining surveillance radar, surveillance cameras and other equipment. They support a broad array of applications, from wide-range surveillance for marine traffic control, to surveillance over a limited range such as fishing grounds and aquaculture areas.

Merchant Fishing Recreational Government

Radar
Radar acts as the eyes of a ship, sending out radio waves as a means of detecting other vessels and obstructions in the surrounding area. Radar allows ships to navigate safely, even when dense fog reduces visibility.

Merchant Recreational

Autopilot
Linked to the steering system and heading sensors, the autopilot automatically controls the ship to maintain the course, making steering much easier for the captain.

Merchant Fishing Recreational Government

GNSS Chart Plotter
Navigating in the open seas requires accurate assessment of one's current position. GPS chart plotters pinpoint a vessel's position based on radio waves sent from GPS satellites. The position is displayed on a simplified navigational chart.

Fishing Recreational

Fish Finder / Scanning Sonar
These systems detect fish schools using ultrasound waves, which travel in straight lines as they penetrate the water and bounce back to the original source after hitting fish, the seabed or other objects. The depth and distance to schools of fish can be calculated based on the time it takes for the ultrasound waves to return.

Merchant Fishing Recreational Government

Radiotelephone
A means of communication while at sea, used in times of distress or emergency and to receive maritime safety information (navigation warnings, weather information, etc.)

FURUNO's products support safe, secure and comfortable navigation.

As a comprehensive marine company with marine electronics equipment at its core, we will contribute to safe and secure navigation for our marine customers and the development of marine culture.

For Merchant Vessels

For safe and efficient navigation

As part of our mission to contribute to safe and efficient navigation, FURUNO offers a variety of navigation and communications equipment. These products are designed for all types and sizes of merchant vessels, carrying both people and goods. With regards to newly-built vessels, we have built up a track record and global network commensurate with our top market share. Leveraging these assets, our business spans from new vessel construction to upkeep and lifecycle maintenance and retrofitting.

Marine Radar
(Model FAR-23x8 series)

Detects nearby vessels or obstructions using radio waves. Among many features that support safe navigation, our latest marine radar products automatically eliminate unwanted echoes and adjust the radar images according to sea conditions.

Electronic Chart Display and Information System (ECDIS)

ECDIS
Electronic Chart Display and Information System

The ECDIS (Electronic Chart Display and Information System) FMD-3200/FMD-3300 supports navigators in route planning and monitoring by displaying electronic charts, AIS, IMO radar information, and key navigational data such as position, heading, and speed. With ECDIS installation becoming mandatory for certain vessels from July 2012, FURUNO designed the system with a strong focus on ease of use.

▶▶ TOPIC I — Recognized as an IEEE Milestone for its major contributions to the modernization of the fisheries industry

Furuno's fish finder has been recognized as an IEEE[1] Milestone by the Institute of Electrical and Electronics Engineers (IEEE) for its role in the world's first commercialization and for contributing to the modernization of the fisheries industry. On April 25, Furuno headquarters played host to a ceremony graced by Professor Kathleen A. Kramer, the President and CEO of IEEE, Dr. Tom Coughlin, the past President of IEEE, Professor Toshio Fukuda, the 2020 IEEE President, and other esteemed guests from home and abroad.

IEEE established the Milestones program to recognize significant achievements in the fields of electrical, electronics and information technology that occurred at least twenty-five years ago and have contributed to the advancement of society and the industry. Approximately two hundred sixty Milestones have been approved and dedicated around the world by 2024, including the Voltaic Cell, the Fleming Valve, and the QR Code. Furuno's fish finder (1949[2]), Karaoke Device (1967), and Gennai Hiraga's Elekiteru (1776) were newly recognized in 2025.

The plaque presentation ceremony
(From left to right: Prof. Kathleen A. Kramer, the President and CEO of IEEE, and Yukio Furuno, the President and CEO of Furuno)

[1] IEEE : The world's largest professional organization for electrical, electronics, information, and communication engineers, headquartered in the United States.
[2] In 1948, we became the first in the world to successfully commercialize a fish finder.

▶▶ TOPIC II — Advancing new technological innovations toward the realization of safer and more efficient autonomous navigation

Challenge the Invisible — and beyond

The maritime industry is rapidly advancing digital visualization and moving toward autonomous navigation through joint efforts between industry and government. Leveraging its expertise in marine electronics and communications, FURUNO is driving new innovations to help achieve safer and more efficient autonomous navigation.

"Challenge the Invisible" defines FURUNO's approach. To realize autonomous navigations, we focus on three fields:

· Recognition support: Leveraging marine electronics and proprietary sensor technologies to detect and understand surrounding conditions.
· Decision support: Analyzing collected data to propose optimal collision-avoidance plans comparable to those made by experienced navigators.
· Ship operational support: Automatically controlling course and speed based on the avoidance plan to help achieve zero maritime accidents.
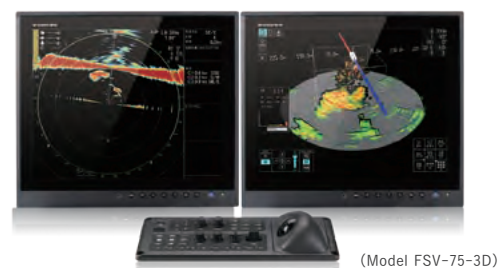
The future of the shipping industry as we envision it

Objective: Zero Maritime Accidents

Condition Detection | Situational Awareness | Analysis and Judgement | Autonomous Navigation

Recognition Support | Decision Support | Ship Operational Support

For Fishing Vessels

(Model FSV-75-3D)

Half-Circle Color 3D Scanning Sonar

The 3D display function can accurately grasp the distance to the seabed and fish schools, as well as the fishing ground conditions, contributing to efficient operations.

(Model FCV-38)

Stabilized Fish Size Indicator

A fish finder capable of measuring fish length and fish volume, contributing to information collection for fishery management and marine resource exploration.

Data acquisition system for ships

Not only images from fish finder and sonar, but also operational data such as currents, water temperatures, and vessel position information can be shared between vessels. This system contributes to highly efficient operations.
※Currently only available in Japan.

For safe fishing and sustainable use of fishery resources

Since our founding, FURUNO has offered electronic fishing equipment to modernize and improve the efficiency of commercial fishing. FURUNO is working to develop fisheries with resource management, through the fishery consulting capability that we have previously cultivated in countries around the world, and by providing products and services that are both innovative and optimally suited for the market.

For Workboats

For the safety and security of maritime operations

FURUNO contributes to the safety, security, and comfort of its customers while continuously providing innovative and reliable products to users of government ships and port marine and work vessels.

FURUNO supports government agencies

FURUNO products have been adopted by many government vessels, including patrol vessels of the Japan Coast Guard, which are responsible for maritime enforcement and rescue operations, harbor patrol vessels, which are responsible for port supervision and surveys, and training ships and training ships of various educational institutions, which train future crew members.

Source of picture : Japan Coast Guard
(https://www.kaiho.mlit.go.jp/soubi-yosan/sentei/ship.html)

For Recreational Boats

NAVnet
TZtouchXL

(Model TZT10X / TZT13X / TZT16X / TZT22X / TZT24X)

Multifunction Display

This device is equipped with a touch screen function that enables intuitive operation with a single fingertip so that anyone can easily operate the plotter and radar screen as they wish.

(Model DRS12A-NXT / DRS25A-NXT)

Radar Sensor

This radar can detect ships in the vicinity, seabirds, and rain clouds. It supports safe navigation by displaying only obstacles approaching the ship in different colors.

(Model DFF-3D)

Network Multi Beam Sonar

When connected to the NavNet TZtouch3, this device has a seafloor mapping function that displays the location of fish schools and the detailed topographical structure of the seafloor in 3D.

For safe and comfortable life at sea

FURUNO offers high-quality products for users of all types of recreational boats, including sport fishing boats, sailboats and yachts. While continuing to supply innovative and highly reliable products to the users of small workboats, such as coastal security vessels and tug boats, we are expanding our efforts to enhance customer value.
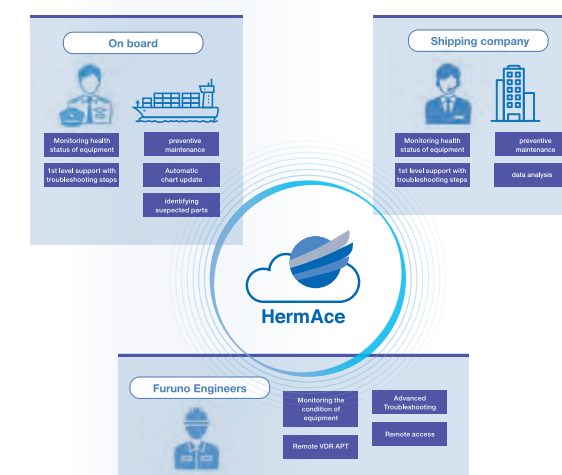
For Maintenance Services

To ensure that products are useful to customers

FURUNO provides world-class technical services and statutory inspections in a timely and accurate manner, using its global service network to ensure that its products perform and maintain their best performance anytime, anywhere.

HermAce, Cyber Security & Remote Monitoring Platform

Data from FURUNO's navigational and communication equipment can be collected, distributed, notified, and monitored in real time, enabling rapid support of vessels in operation from shore. HermAce can also deliver voyage equipment information, automatically update ENC charts, remotely update software, and even help shorten the time required for annual VDR inspections, depending on customer needs.

FURUNO
Business Fields II

Industrial Business

FURUNO products are at work in many areas of daily life.

Based on technology developed for marine electronic equipment, FURUNO provides products and services for use in social infrastructures and automobiles, including products and services for positioning, navigation, and timing, as well as medical equipment and wireless LAN systems. Our goal is to achieve better safety, security, and comfort to bring about a society that considers the needs of people and the environment.

Meteorological Monitoring and Analyzing System
As an application of small marine radar, we offer compact, low-cost weather radar, which can be installed at multiple locations. The system observes rain clouds, predicts sudden localized heavy downpours, and helps to mitigate damage due to regional disasters.

Medical
Clinical Chemistry Analyzer
These analyzers automatically take precise measurements of enzymes, fats, sugars, proteins and other substances in the blood.

ITS·GNSS
GPS (GNSS) Disciplined Oscillator
Receiving GNSS satellite signals, these devices generate a high-precision reference frequency and a 1-second pulse accurately synchronized with UTC (Coordinated Universal Time). They are utilized in mobile phone base stations and broadcast relay stations for terrestrial digital TV.

ITS·GNSS
ETC, Vehicle Management Solution
Installed at a parking lot entrance, construction site entry gate or similar location, these systems enable exchange of vehicle information and other data with ETC systems. The result is smoother access, improved safety and enhanced security.

Medical
Ultrasound Bone Densitometer
Devices that measure bone density by applying ultrasound to the heel bone, enabling quick and safe screening.

ITS·GNSS
Automotive ETC2.0 / ETC System
These terminals allow for toll payment processing on toll roads without the need to bring the vehicle to a halt. Recently, applications have broadened to vehicle access control at parking lots and construction sites.

Wireless LAN
Wireless Handheld Terminal
These terminals are for central management of information and work support using a wireless LAN system. They make various kinds of work quicker and more efficient through real-time management of work status and product data at distribution warehouses, shopping centers, production sites and elsewhere.

Wireless LAN
Wireless LAN Access Point
These devices create an environment enabling wireless use of the Internet, at locations such as train stations, cafés and hotels. They allow connection to the Internet regardless of mobile carrier, resulting in growing demand at educational facilities, such as schools and private tutoring schools, as well as at hotels, tourist spots and other areas that attract tourists.

ITS·GNSS
GPS (GNSS) Receiver
These high-precision position sensors can accurately pinpoint their current position anywhere on earth by receiving and processing signals from GPS (GNSS) satellites. These units are incorporated into automotive devices such as navigation systems, operation management terminals and car-to-car communication terminals. They are also used in mobile devices including mobile phones.

PNT

Time Synchronization

In digital terrestrial broadcasting, the equipment for 5G mobile base stations, firefighting, police, and other commercial radio, electric power, and stock exchanges is controlled and operated with time accuracy on the order of nanoseconds to microseconds. FURUNO's high-precision time synchronization technology contributes to the operation and maintenance of this critical infrastructure, which is not allowed to be interrupted at any time.

Digital terrestrial television transmitting station

Vehicle Management Solutions FLOWVIS*

This system uses ETC onboard equipment and vehicle number authentication to manage vehicle entry and exit, improving security at offices and logistics centers and reducing labor and staffing needs through automatic reception. This approach also contributes to the digital transformation of logistics by providing expandability, such as linking with gates, electronic bulletin boards, and other systems.

Vehicle access control service

For a safer and more convenient society

We focus on Positioning, Navigation and Time Synchronization, and provide products and services that are essential for social infrastructures, vehicle traffic, and other areas, adding creative value to the location and time of people, things, and mobility.

*Japanese market only

Healthcare

(Model CA-800)

(Model CA-400) (Model CA-270)

Clinical Chemistry Analyzer Line-up

For a support of healthy life

We are expanding our business into the healthcare field, especially medical care, and are providing products for the early prevention of disease and monitoring treatment, utilizing the sensing technology which we have cultivated in the maritime field. Our medical products contribute to people staying healthy by minimizing healthcare costs.

Clinical Chemistry Analyzer & Reagent

This analyzer is combined with various reagents to measure components in specimens such as blood and urine. Measuring items such as blood glucose, neutral fat, and γ-GTP, which can trace elements such as tumor markers, the analyzer contributes to early detection and prevention as well as diagnosis and follow-up treatment of diseases.

Academic Activities in Southeast Asia

FURUNO develops, manufactures, and sells small to medium-sized analyzers to help medical institutions reduce the burden of installation and provide high-quality medical care. In Southeast Asia, we also contribute to improving the medical environment by providing local services and academic activities in equipment and reagents close to the medical field.

Installation of Clinical Chemistry Analyzer

Wireless LAN Systems

Wireless LAN Access Point*

The Nishinomiya City Board of Education has established a "Simultaneous Broadcasting System" that can broadcast all morning assemblies, student council activities, graduation ceremonies, and other ceremonies.
By deploying video transmission access points in each classroom, staff room, and school gymnasium, we can accomplish a wireless LAN environment that enables the use of one learning terminal per student.

Broadcasting system of Nishinomiya City Board of Education

11ah access point for IoT gateway support

IEEE802.11ah-compliant access points can communicate over long distances with a radius of approximately 1km. It is expected to play a role in supporting social infrastructure.

For greater comfort and safety in society

Using wireless technology, we provide wireless LAN access points and product management systems that enhance the convenience of Internet access. With "Comfortable Wireless," we aim to realize a connected and expanding society.

*Japanese market only

Defense Equipment Business

For the safety and security of our citizens

Using its core technologies in marine electronics, FURUNO is committed to R&D for the Ministry of Defense to provide safety and security for the people in Japan.

Source of picture : Atsugi Air Base JMSDF
(https://www.mod.go.jp/msdf/atsugi/gallery/index_r2.html)

Underwater acoustic technologies

The division has begun to study low power consumption, compactness, light weight, and strong resilience against voltage of the transmitter and receiver, with a view to installing USVs or UUVs.

Multi-beam sonar fathometer

GNSS-related technologies

We have been engaged in development and commercialization of various GNSS applications such as navigation, surveying, etc., using our proprietary technologies.

GPS navigation system

CSR Activities

FURUNO Contributes to Society by Creating New Value

Quality and Safety Initiatives

Thorough Quality Management

Based on the principle that "the quality of our products is created by the quality of our approach to work," we provide products and services that satisfy our customers and continue to be a company that is trusted by society. We maintain and manage quality at every stage of our operations, from design and development to procurement and production, based on our quality management system (ISO 9001) and by incorporating our own "appropriate quality standards" and "reliability evaluation methods for each stage of development" to ensure that our products are suitable even in harsh environments.

In addition, in order to accurately evaluate the safety of our products, we have established an environment within our company where we can conduct environmental tests based on temperature, humidity, vibration, etc., as well as tests and evaluations based on EMC* standards of various countries.

∗: Testing for electromagnetic interference that can affect other equipment and the human body.

EMC testing of a radar antenna
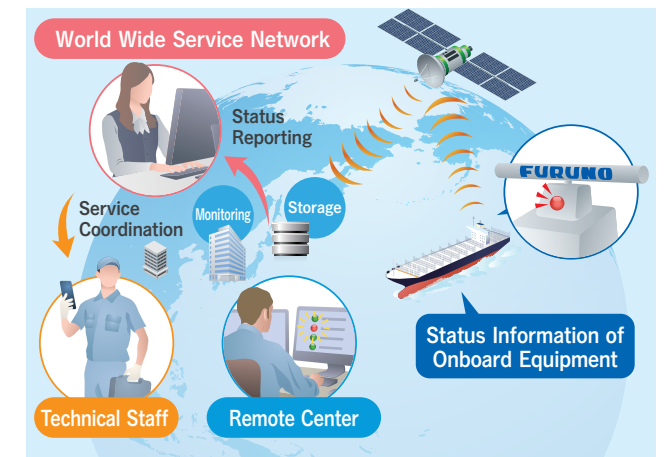
Maintain and Improve Manufacturing Quality

The Miki Factory (Hyogo, JAPAN) has established a traceability system that clearly defines manufacturing methods and inspection standards for each manufacturing process, managing production and manufacturing facility inspection histories. Quality records such as the manufacturer's production base and timing of parts used, as well as pass / fail decisions in the manufacturing process, are necessary data for the operation of this system and are managed as essential items in production activities.

At the Miki Factory, where more than 80% of parts are procured domestically, all new parts used in new products, including those made overseas, are subjected to inspection. Strict quality checks are conducted in advance by examining the quality control systems of local manufacturers and locally produced products. In our manufacturing processes, we ensure a high level of reliability by conducting a 100% quality inspection.
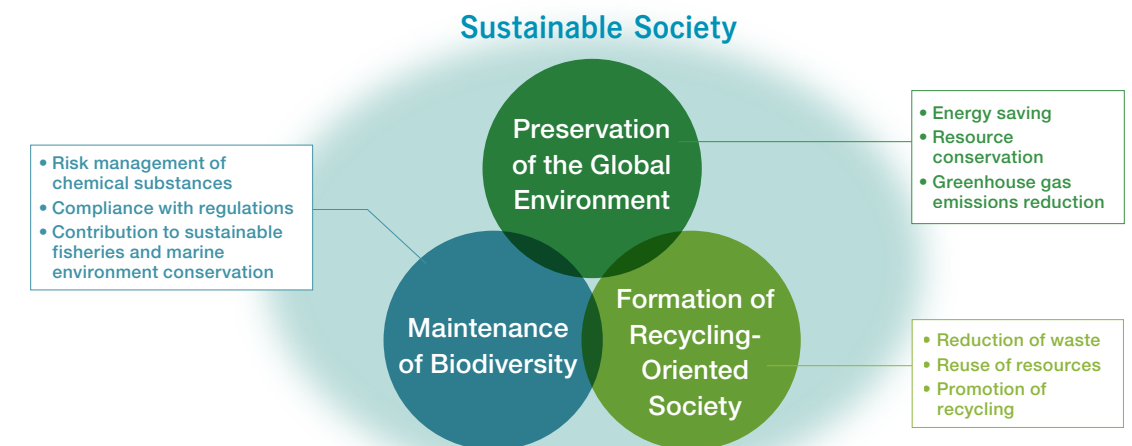
A Global Service System for Safety and Security

The Merchant Marine Division, which has customers all over the world, has implemented an online system called "SMS (Service Management System)" in order to provide efficient services. SMS is a web-based database that stocks information such as product support history, failure prevention measures, and service progress and result reports. Any problems or findings are fed back to the sales, service, development, and quality departments to help improve quality and enhance the quality of operations. The database is shared among all service sites worldwide, and the company has prepared a system to respond to service demands with spare parts kits optimized for each country so that repair work can be carried out quickly when equipment repair is requested.

Environmental Consciousness

FURUNO recognizes that environmental considerations are one of the most important management issues and aims to realize a sustainable society by reducing the environmental impact of its business activities.

Sustainable Society

- Risk management of chemical substances
- Compliance with regulations
- Contribution to sustainable fisheries and marine environment conservation

Preservation of the Global Environment

Maintenance of Biodiversity

Formation of Recycling-Oriented Society

- Energy saving
- Resource conservation
- Greenhouse gas emissions reduction

- Reduction of waste
- Reuse of resources
- Promotion of recycling

Risk Management

To properly manage risks that could have a significant impact on management, FURUNO has established a Risk Management Committee chaired by the president. It evaluates company-wide risks, determines the importance of each risk, and appoints a department and subcommittee in charge of each risk countermeasure to reduce it.

Security Trade Control

We have established security trade control system with the president as the chief executive officer. We constantly check the trends of export controls and sanctions globally, and conduct "compliance examinations" to determine whether products and technologies are subject to regulations and "transaction examinations."

To ensure that our employees understand the importance of export control for economic security, we conduct internal notifications and e-learning training, as well as annual internal audits to verify the status of self-management, in an effort to maintain and manage our export control system.

Information security measures

FURUNO is working on improving employee security awareness and vigilance through e-learning education and the publication of in-house newsletters. The CSIRT also continuously monitors, collects information, and responds to incidents to prevent damage from spreading and to calm the situation as soon as possible.

Systematic measures (multi-level defense)

Information Security Measures

CSIRT system for early detection and prevention

Increase employee security awareness and attention